FIG. 1

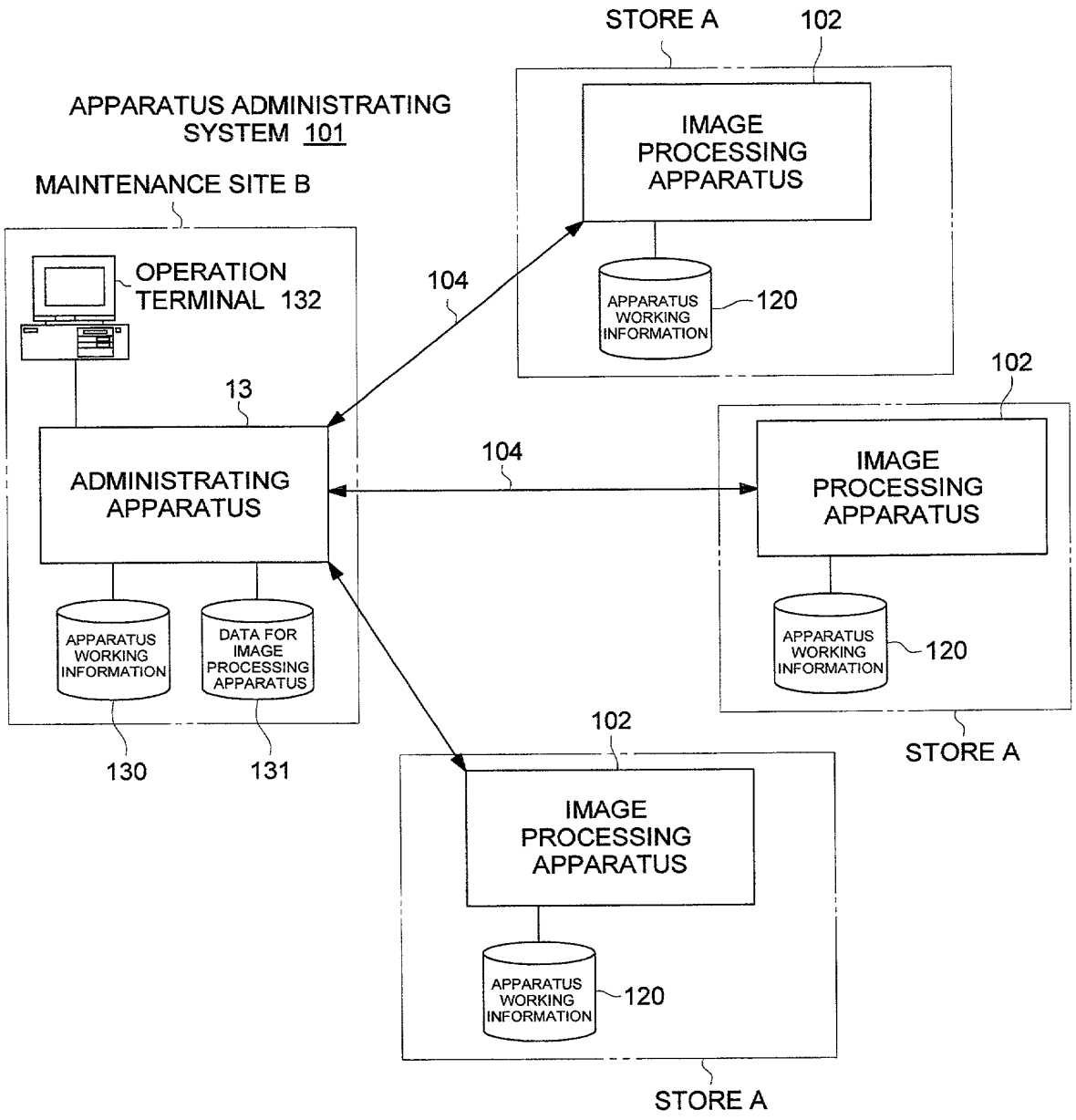
STORE A
102
APPARATUS ADMINISTRATING SYSTEM 101
IMAGE PROCESSING APPARATUS
MAINTENANCE SITE B
APPARATUS WORKING INFORMATION
120
OPERATION TERMINAL 132
104
13
102
ADMINISTRATING APPARATUS
104
IMAGE PROCESSING APPARATUS
APPARATUS WORKING INFORMATION
DATA FOR IMAGE PROCESSING APPARATUS
APPARATUS WORKING INFORMATION
120
130
131
102
STORE A
IMAGE PROCESSING APPARATUS
APPARATUS WORKING INFORMATION
120
STORE A

FIG. 2

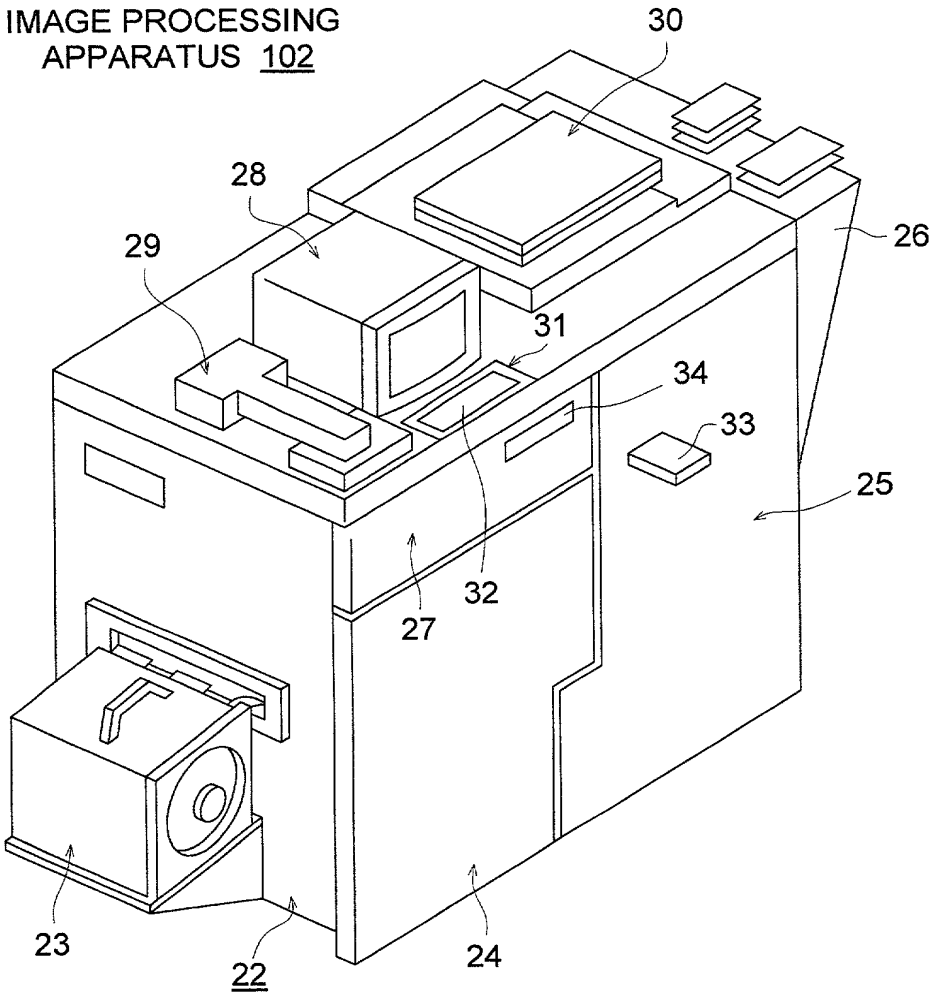
IMAGE PROCESSING APPARATUS 102
30
28
29
26
31
34
33
25
32
27
23
22
24

FIG. 3

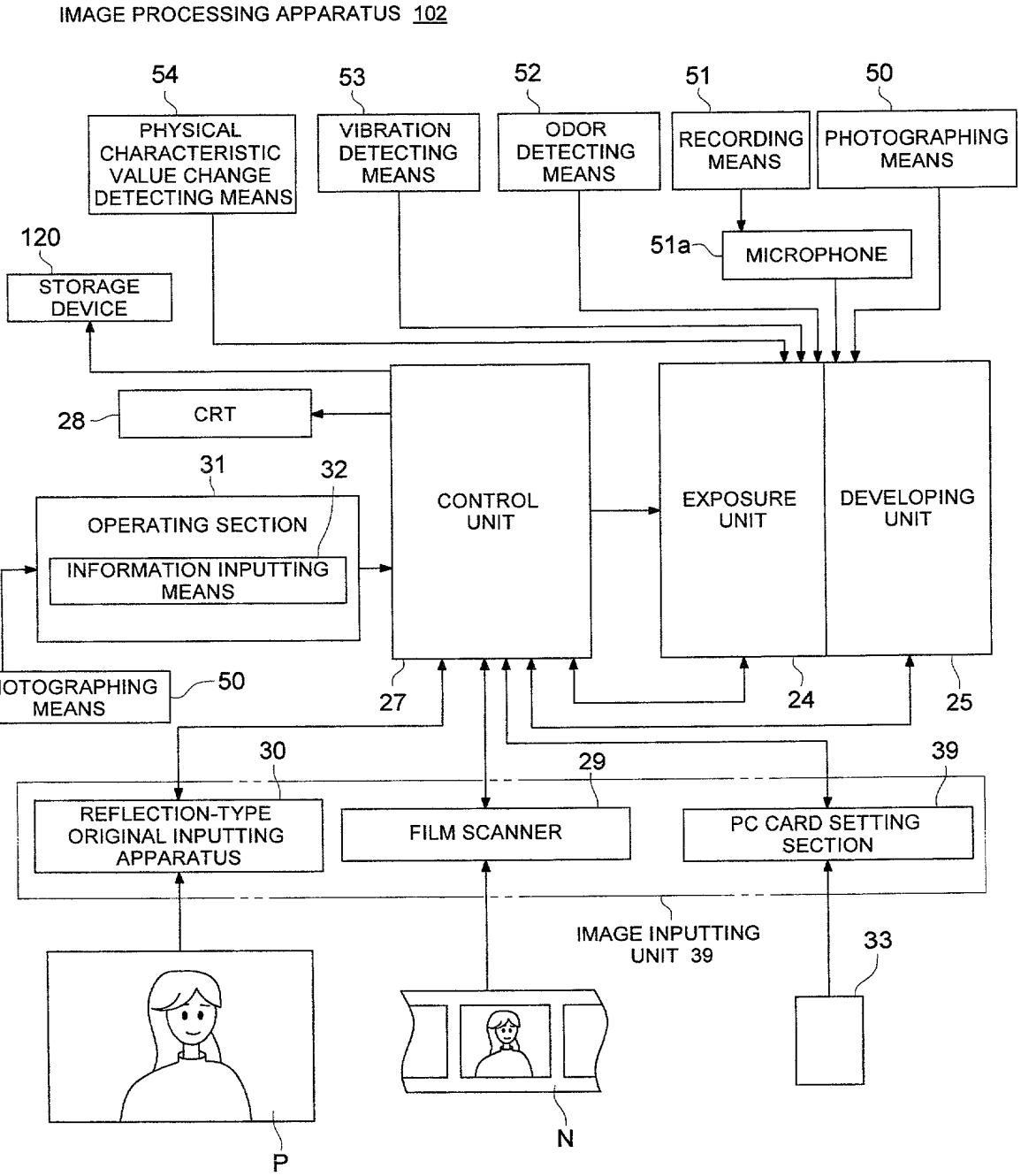
IMAGE PROCESSING APPARATUS 102
54
PHYSICAL CHARACTERISTIC VALUE CHANGE DETECTING MEANS
53
VIBRATION DETECTING MEANS
52
ODOR DETECTING MEANS
51
RECORDING MEANS
50
PHOTOGRAPHING MEANS
120
STORAGE DEVICE
51a
MICROPHONE
28
CRT
31
32
OPERATING SECTION
INFORMATION INPUTTING MEANS
CONTROL UNIT
EXPOSURE UNIT
DEVELOPING UNIT
PHOTOGRAPHING MEANS
50
27
24
25
30
29
39
REFLECTION-TYPE ORIGINAL INPUTTING APPARATUS
FILM SCANNER
PC CARD SETTING SECTION
IMAGE INPUTTING UNIT 39
33
P
N

FIG. 4

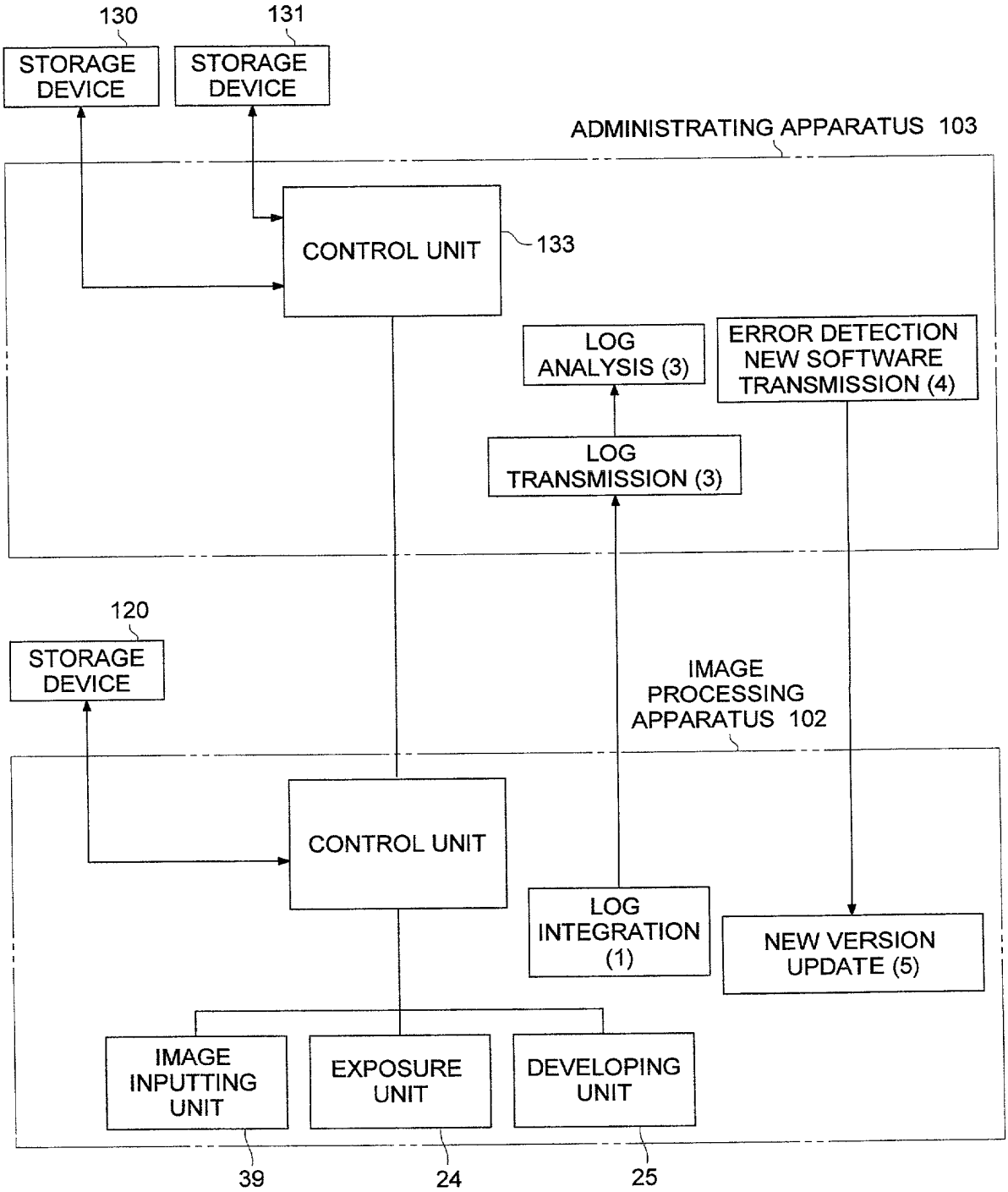
130
131
STORAGE DEVICE
STORAGE DEVICE
ADMINISTRATING APPARATUS 103
CONTROL UNIT
133
LOG ANALYSIS (3)
ERROR DETECTION NEW SOFTWARE TRANSMISSION (4)
LOG TRANSMISSION (3)
120
STORAGE DEVICE
IMAGE PROCESSING APPARATUS 102
CONTROL UNIT
LOG INTEGRATION (1)
NEW VERSION UPDATE (5)
IMAGE INPUTTING UNIT
EXPOSURE UNIT
DEVELOPING UNIT
39
24
25

FIG. 5

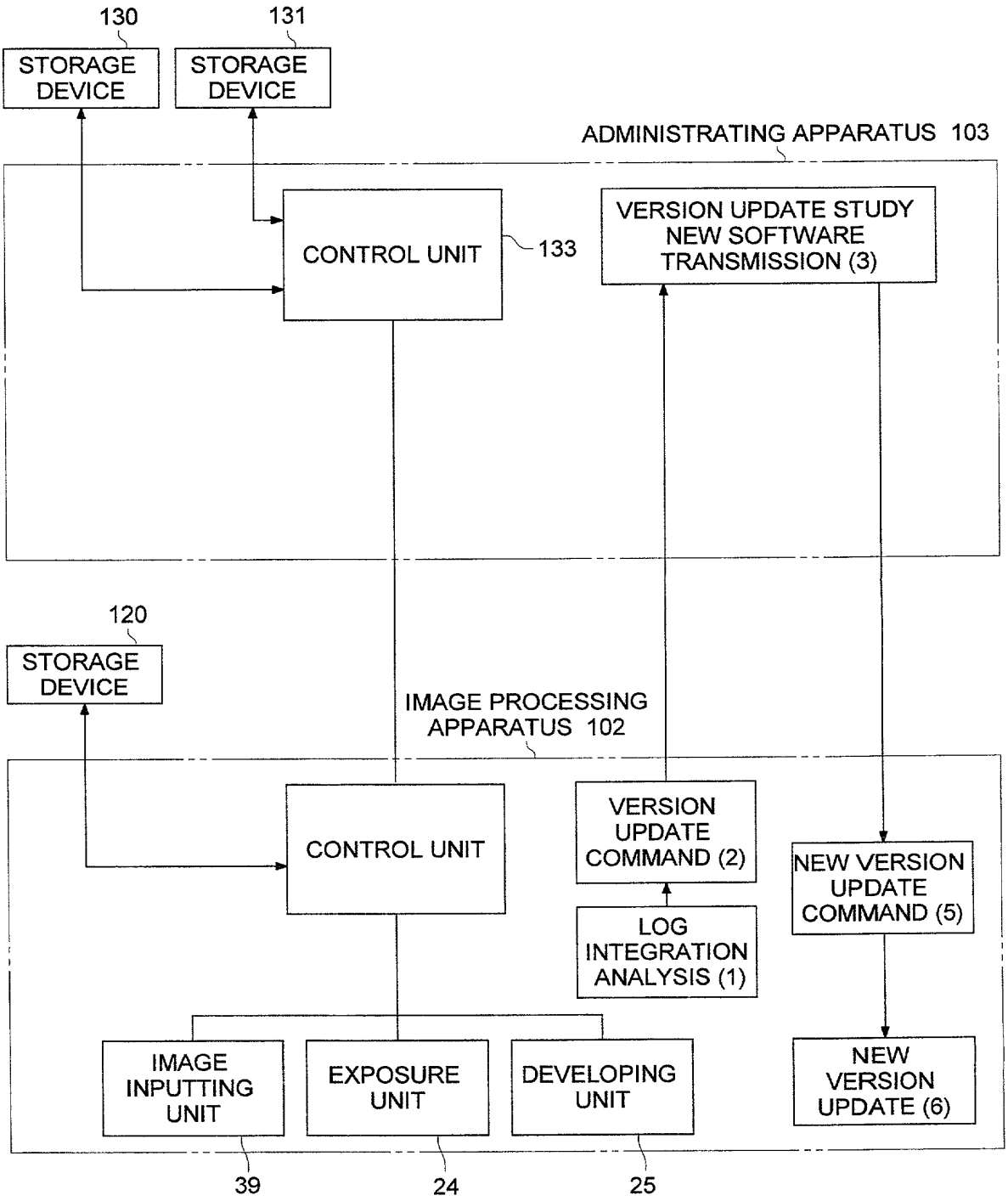
130
131
STORAGE DEVICE
STORAGE DEVICE
ADMINISTRATING APPARATUS 103
CONTROL UNIT
133
VERSION UPDATE STUDY NEW SOFTWARE TRANSMISSION (3)
120
STORAGE DEVICE
IMAGE PROCESSING APPARATUS 102
CONTROL UNIT
VERSION UPDATE COMMAND (2)
NEW VERSION UPDATE COMMAND (5)
LOG INTEGRATION ANALYSIS (1)
IMAGE INPUTTING UNIT
EXPOSURE UNIT
DEVELOPING UNIT
NEW VERSION UPDATE (6)
39
24
25

FIG. 6

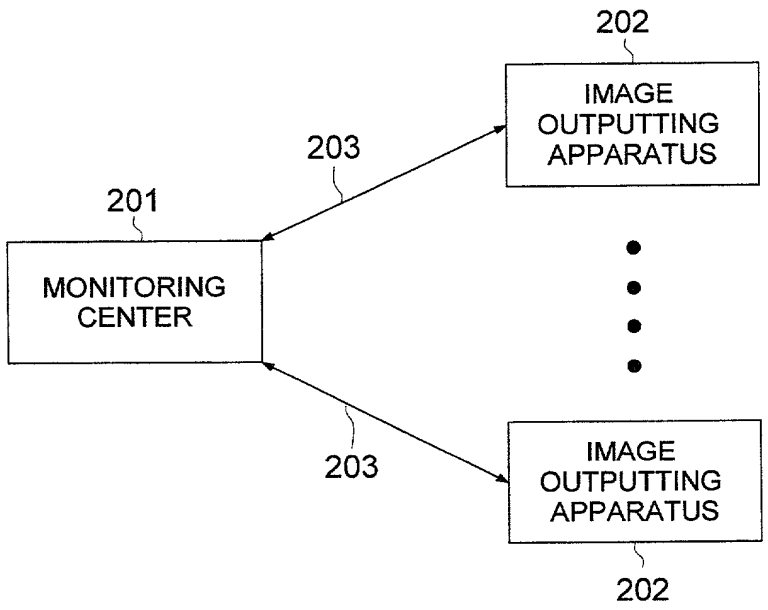

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FIG. 7

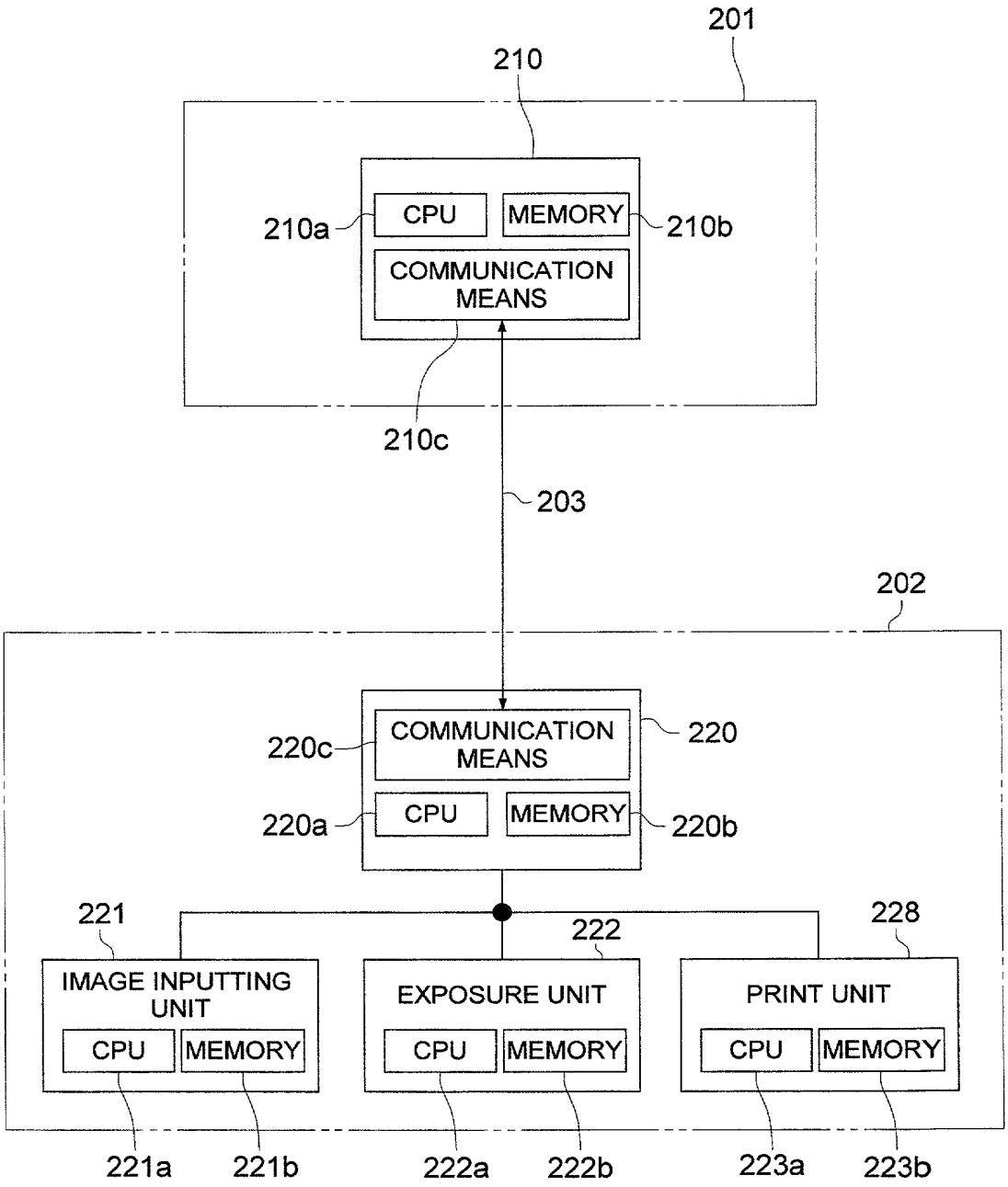
201
210
210a
CPU
MEMORY
210b
COMMUNICATION MEANS
210c
203
202
220c
COMMUNICATION MEANS
220
220a
CPU
MEMORY
220b
221
222
228
IMAGE INPUTTING UNIT
CPU
MEMORY
EXPOSURE UNIT
CPU
MEMORY
PRINT UNIT
CPU
MEMORY
221a
221b
222a
222b
223a
223b

FIG. 8

	UNIT SERIAL NUMBER	SOFTWARE VERSION INFORMATION	UNIT CONSTITUENT PARTS
IMAGE INPUTTING UNIT	A1001 ⋮ A1049 A1050 ⋮ A1100	Ver 10.1 ⋮ Ver 10.1 Ver 10.2 ⋮ Ver 10.2	1001X ⋮ 1049X 1050Y ⋮ 1100Y
EXPOSURE UNIT	A2001 ⋮ A2049 A2050 ⋮ A2100	Ver 20.1 ⋮ Ver 20.1 Ver 20.2 ⋮ Ver 20.2	2001H ⋮ 2049H 2050I ⋮ 2100I
PRINT UNIT	A3001 ⋮ A3049 A3050 ⋮ A3100	Ver 30.1 ⋮ Ver 30.1 Ver 30.2 ⋮ Ver 30.2	3001P ⋮ 3049P 3050Q ⋮ 3100Q

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FIG. 9

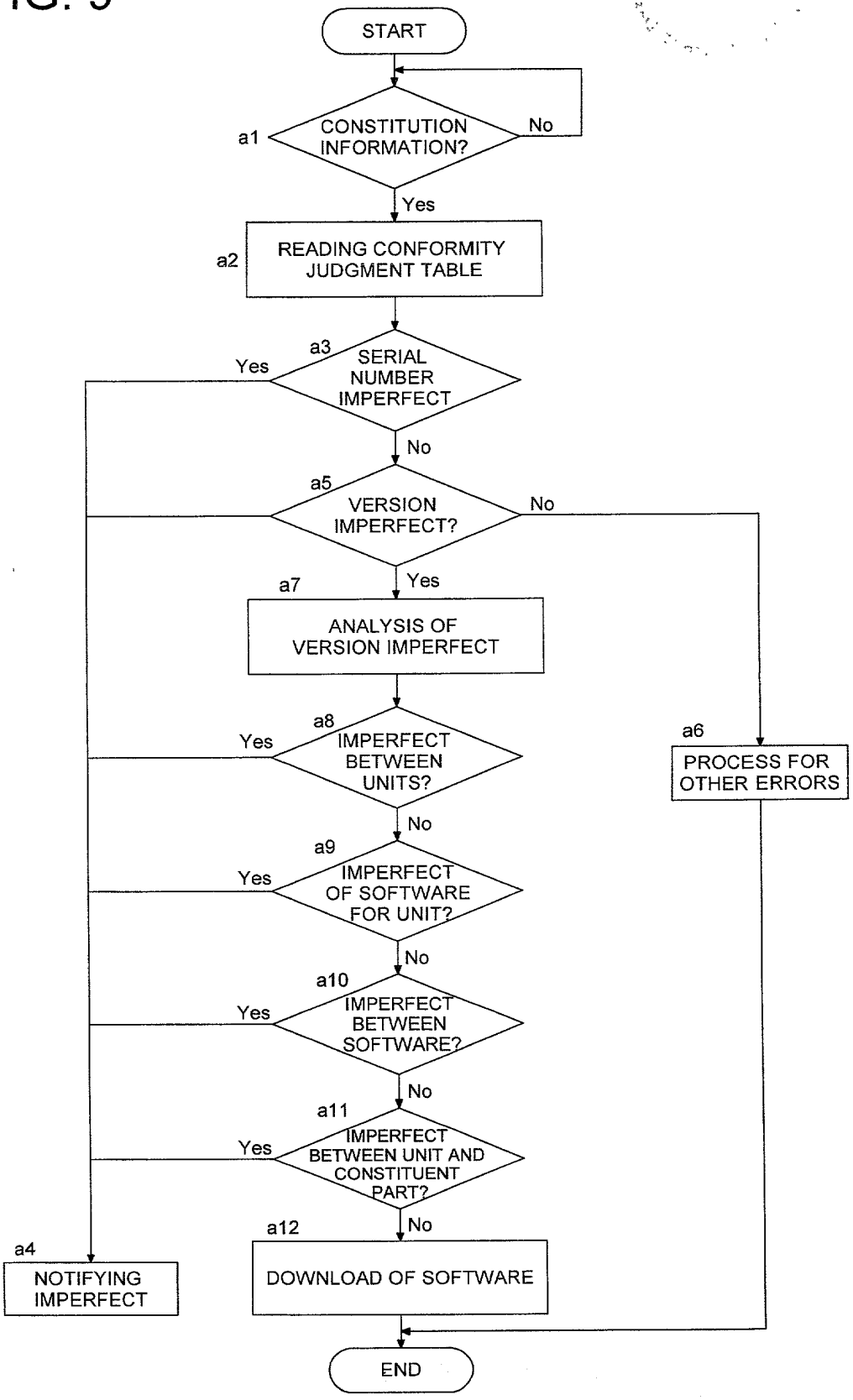
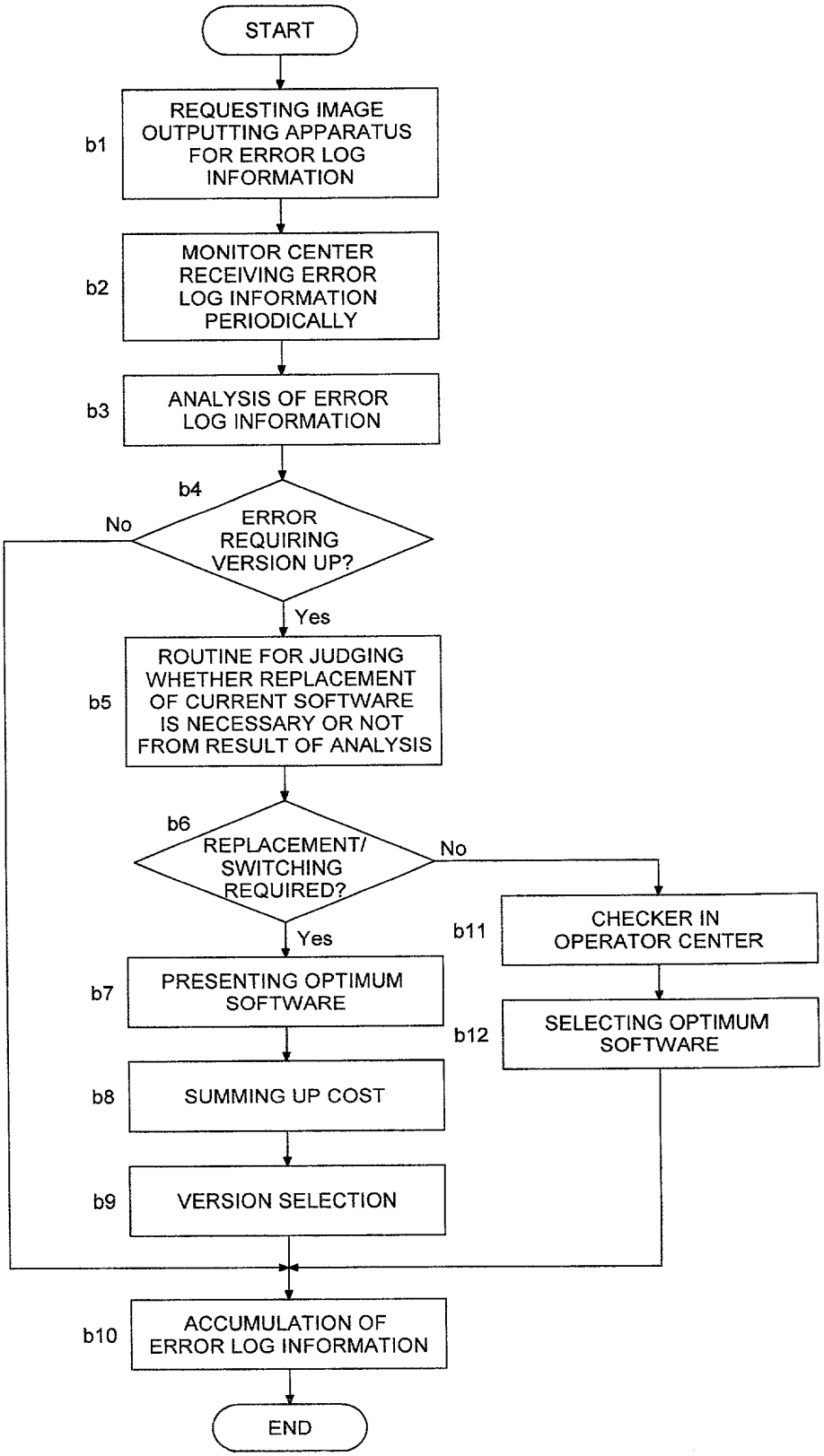

START
a1
CONSTITUTION INFORMATION?
No
Yes
a2
READING CONFORMITY JUDGMENT TABLE
a3
SERIAL NUMBER IMPERFECT
Yes
No
a5
VERSION IMPERFECT?
No
Yes
a7
ANALYSIS OF VERSION IMPERFECT
a8
IMPERFECT BETWEEN UNITS?
Yes
No
a9
IMPERFECT OF SOFTWARE FOR UNIT?
Yes
No
a10
IMPERFECT BETWEEN SOFTWARE?
Yes
No
a11
IMPERFECT BETWEEN UNIT AND CONSTITUENT PART?
Yes
No
a6
PROCESS FOR OTHER ERRORS
a4
NOTIFYING IMPERFECT
a12
DOWNLOAD OF SOFTWARE
END

FIG. 10


START
b1
REQUESTING IMAGE OUTPUTTING APPARATUS FOR ERROR LOG INFORMATION
b2
MONITOR CENTER RECEIVING ERROR LOG INFORMATION PERIODICALLY
b3
ANALYSIS OF ERROR LOG INFORMATION
b4
ERROR REQUIRING VERSION UP?
No
Yes
b5
ROUTINE FOR JUDGING WHETHER REPLACEMENT OF CURRENT SOFTWARE IS NECESSARY OR NOT FROM RESULT OF ANALYSIS
b6
REPLACEMENT/ SWITCHING REQUIRED?
No
Yes
b11
CHECKER IN OPERATOR CENTER
b12
SELECTING OPTIMUM SOFTWARE
b7
PRESENTING OPTIMUM SOFTWARE
b8
SUMMING UP COST
b9
VERSION SELECTION
b10
ACCUMULATION OF ERROR LOG INFORMATION
END